

HYDRO CUTTING



Advantages

- Safer alternative to torch cutting
- No heat deformation of customer assets
- Fast and efficient
- 100% hands-free operation
- Remote automated control
- Garnet-infused 40,000 psi water
- Specialty tracking devices
- Multiple crews for large turnarounds



Safe and efficient for complex projects

USA DeBusk teams provide high-precision hydro cutting for a full range of industrial applications, from simple pipe cuts to complex unit turnarounds.

At USA DeBusk, hydro cutting is a dedicated service line with the most experienced personnel in the industry, state-of-the-art equipment and proven techniques. USA DeBusk has compiled a record of on-time, on-budget project completions for customers throughout North America.

APPLICATIONS

USA DeBusk hydro cutting services are ideal for applications in FCC units, coker units, tank farms, and more.

- Cutting the tops off of reactors, regenerator and refractor towers
- Demolition projects
- Door sheets on tanks and vessels
- Cutting floor bottoms out of tanks
- Pipe cuts of all types and sizes
- Heat exchanger shells
- Concrete (cuts up to 24" in depth)

A SAFER ALTERNATIVE

USA DeBusk hydro cutting systems use 40,000 psi water pressure infused with garnet abrasive to make high-precision cuts in metal or concrete surfaces. Unlike oxy/acetylene torches, hydro cutting is flame-free and safe for use in explosive atmospheres.

- No fire hazards
- Safe in explosive atmospheres
- Automated control systems to protect operators
- Eliminates heat deformation of customer assets

Automated controls for safety



RESPONSIVE, VERSATILE SERVICES

USA DeBusk provides complete consulting and technical support. Extensive coordination with customer maintenance and engineering personnel assures projects are planned and executed to meet project objectives.

Hydro cutting crews can respond quickly to urgent needs. Multiple cutting systems can be deployed and crews can work around the clock to accommodate large turnarounds or projects with tight deadlines.

EQUIPPED FOR HIGH PERFORMANCE

Automated control and specialty tracking devices assure accuracy and consistency for both straight and beveled cuts. For tight tolerances, edge finishes or other requirements, high-pressure water may be mixed with a garnet abrasive. For unique applications, USA DeBusk can engineer specialty tooling and procedures.

USA DeBusk uses the latest, most technologically advanced equipment available. All hydro cutting equipment is company owned and maintained to assure reliability, safety and quality. System components include:

- 40,000 psi diesel-driven pump packages
- Flexible, specialty tracking devices
- High-precision automated controls
- Specialty tooling (when necessary)

APPLYING TECHNOLOGY,
EXPERIENCE AND EXPERTISE
TO DELIVER THE SAFEST,
MOST PRECISE COLD-CUTTING
SOLUTIONS

Specialty tracking devices for high precision

